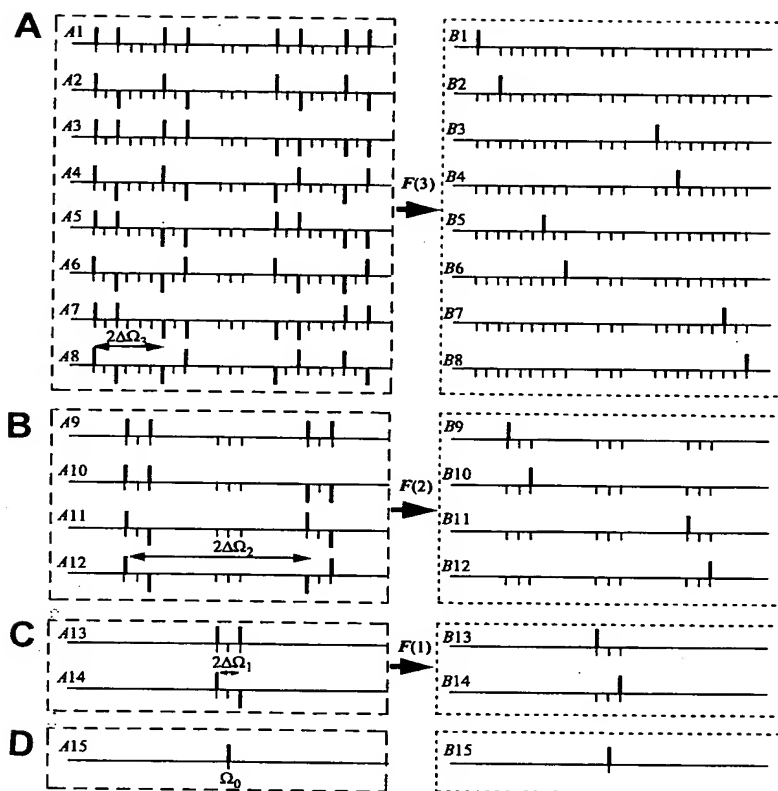
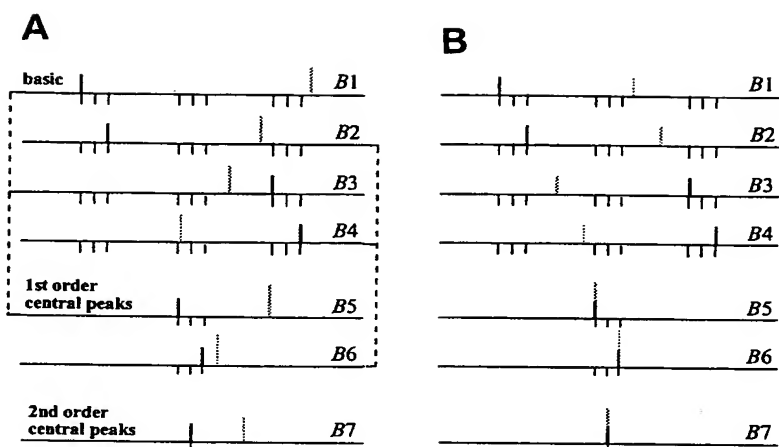


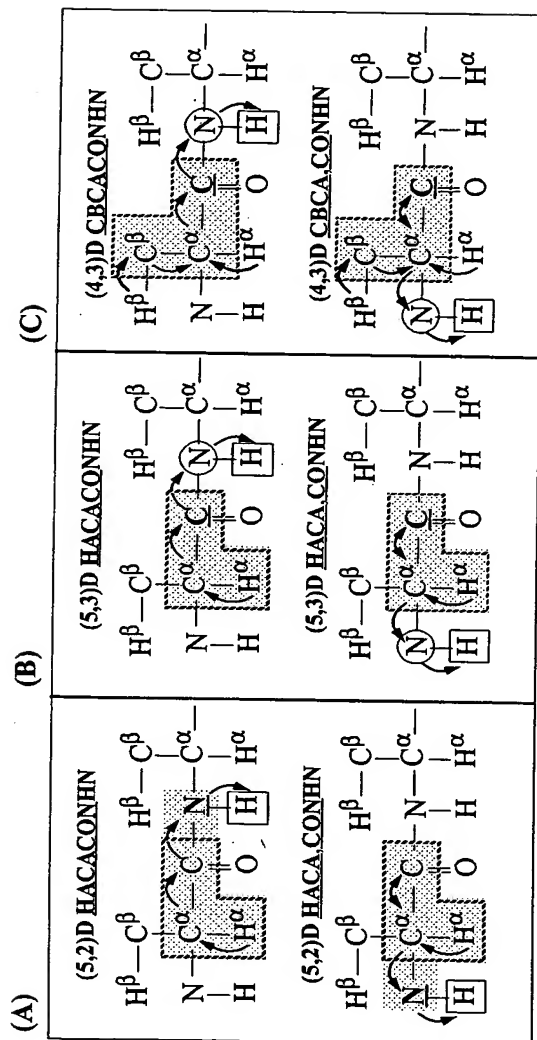
Figure 1



Figures 2 A-D



Figures 3 A-B



Figures 4 A-C

<p>(A) (4,3)D HNNCACBCA</p>	<p>(D) (5,3)D HCC,CH-COSY</p>
<p>(B) (4,3)D HNN(CO)CACBCA</p> <p>(4,3)D CBCACA(CO)NHN</p>	<p>(E) (5,3)D HBCBCGCDHD</p>
<p>(C) (5,3)D HBHACBCACA(CO)NHN</p>	<p>(G) (5,2)D HCCCH-COSY</p>

Figures 5 A-G

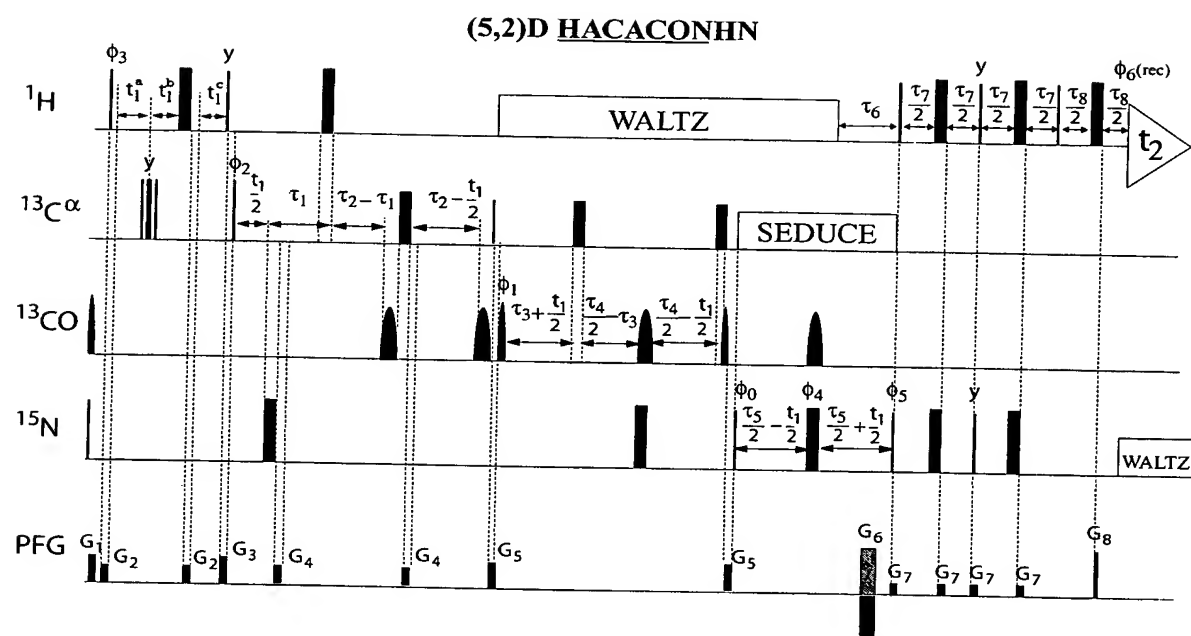


Figure 6

The diagram illustrates the timing sequence for the WALTZ-16 NMR experiment across five channels: ^1H , $^{13}\text{C } \alpha/\beta$, ^{13}CO , ^{15}N , and PFG. The sequence includes various pulses (represented by vertical bars) and delays (represented by horizontal arrows). Key parameters and labels include:

- ^1H Channel:** Pulses ϕ_1 , τ_0 , y , and $\phi_9(\text{rec})$. A long delay τ_8 is shown. A box labeled "WALTZ" spans a portion of the sequence.
- $^{13}\text{C } \alpha/\beta$ Channel:** Pulses y , ϕ_2 , τ_1 , τ_2 , τ_3 , τ_4 , ϕ_3 , ϕ_7 , and τ_4 . A box labeled "WALTZ" is also present.
- ^{13}CO Channel:** Pulses ϕ_4 , $\tau_6 + \tau_1$, $\tau_6 - \tau_1$, $\tau_6 + \tau_1$, ϕ_6 , and $\tau_6 - \tau_1$. A box labeled "SEDUCE" is shown.
- ^{15}N Channel:** Pulses ϕ_5 , $\tau_7 - \tau_2$, $\tau_7 + \tau_2$, ϕ_8 , y , and τ_7 . A box labeled "WALTZ" is shown.
- PFG Channel:** Pulses G_1 , G_2 , G_3 , G_4 , G_5 , G_6 , G_7 , and G_8 .

The diagram uses vertical dashed lines to indicate the synchronization of pulses across the different channels. The sequence concludes with a large arrow labeled t_3 pointing to the right.

Figures 7 A-B

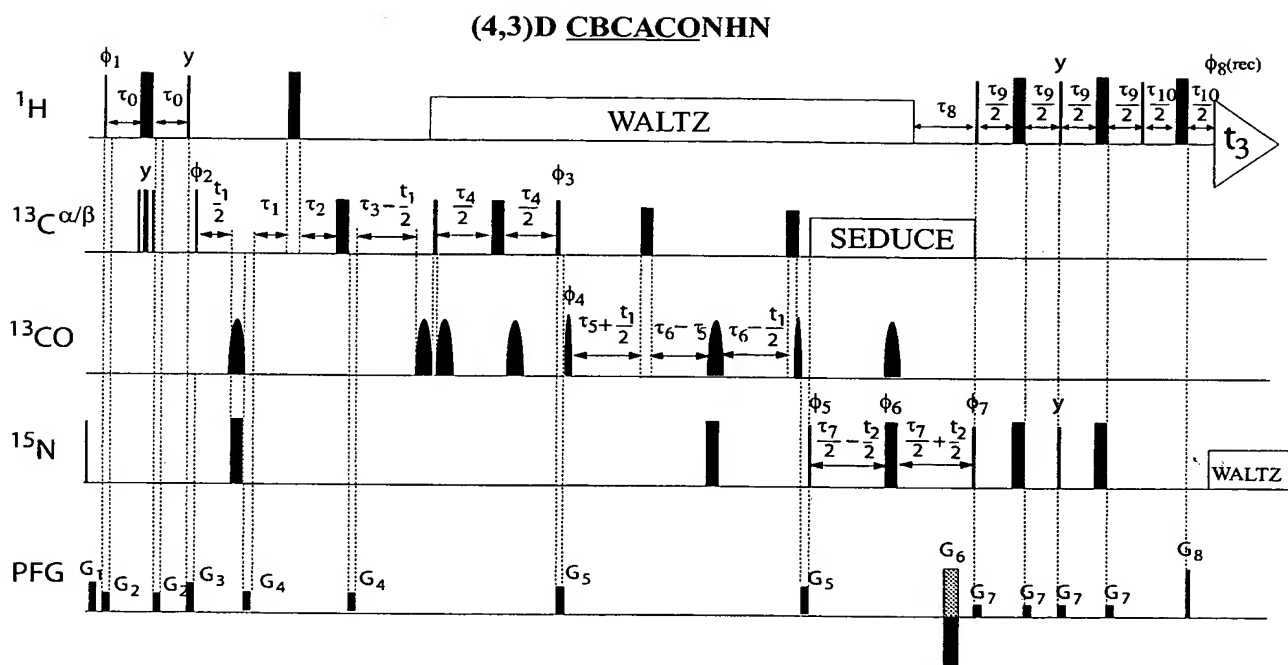


Figure 8

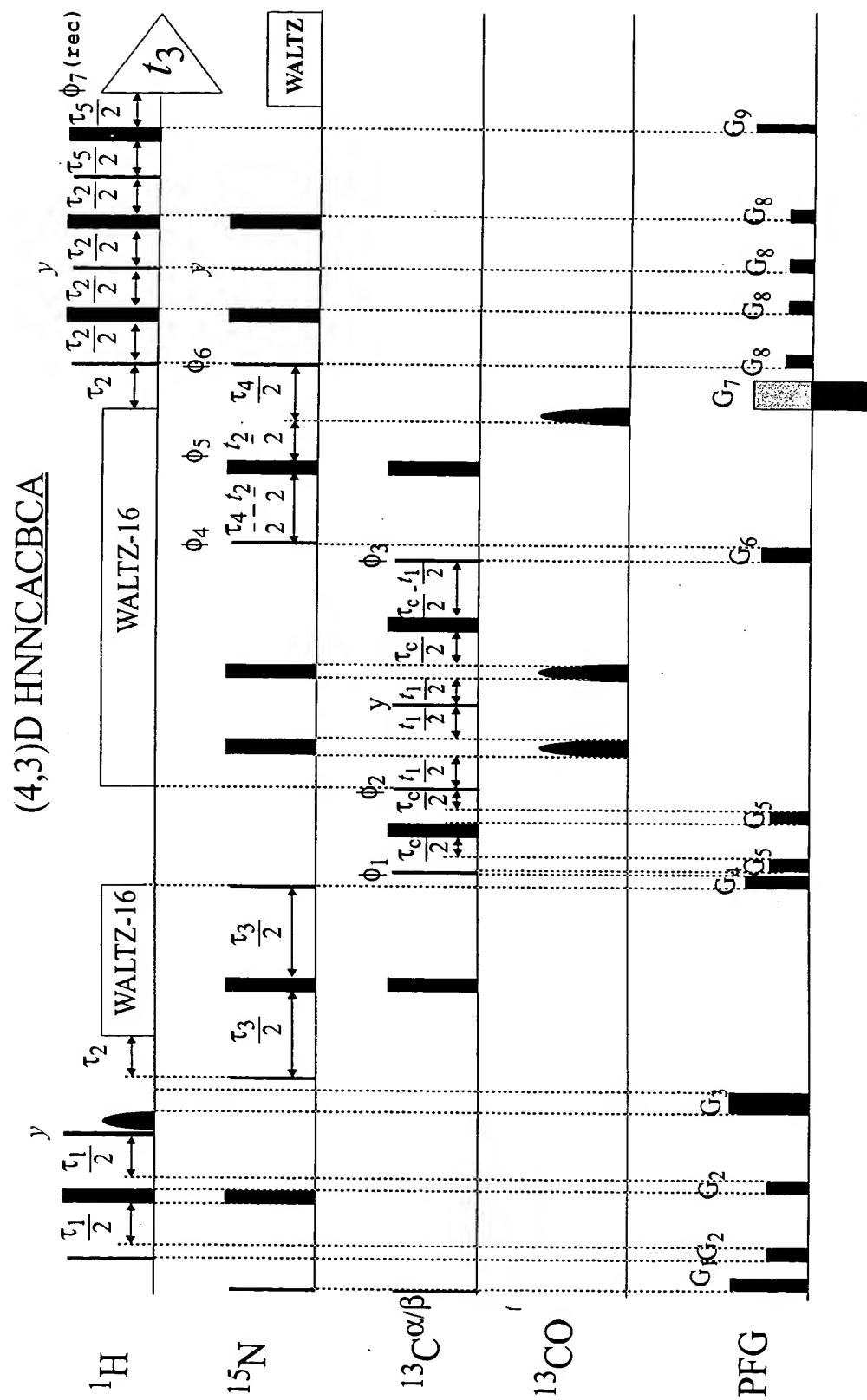


Figure 9

(4,3)D HNN(CO)CACBCA

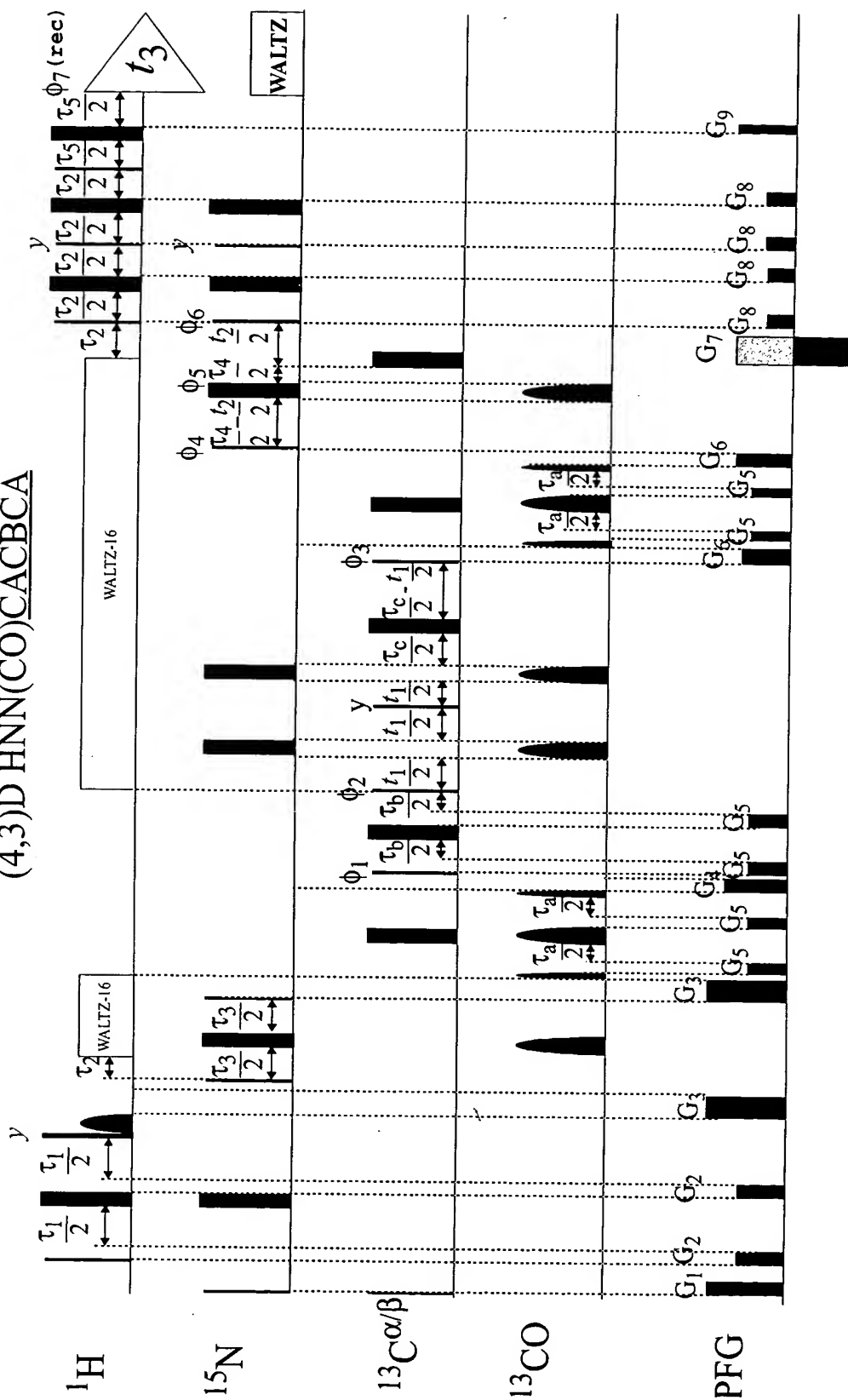


Figure 10

(4,3)D CBCACA(CO)NHN

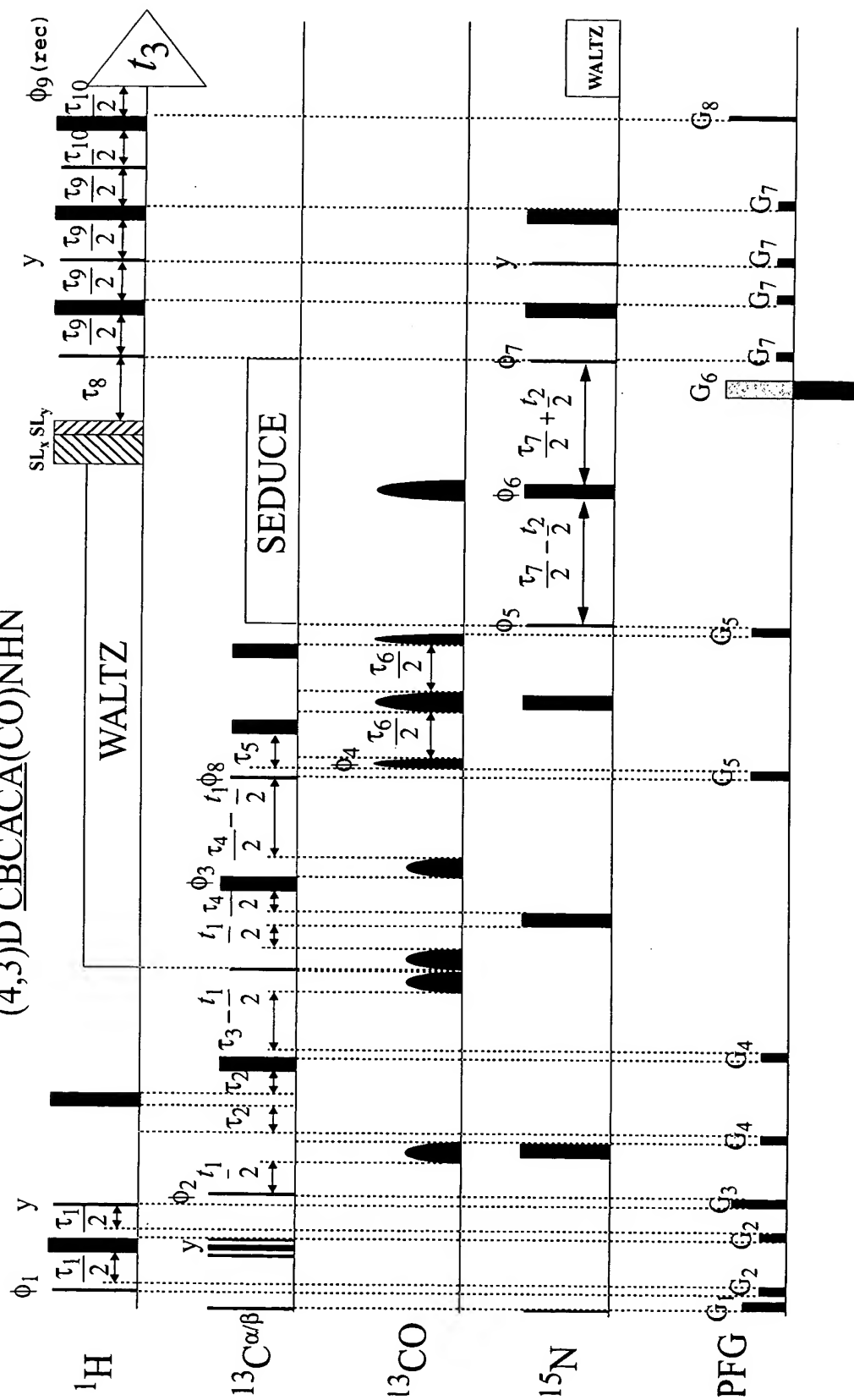


Figure 11

(5,3)D HBHACBCACA(CO)NHN

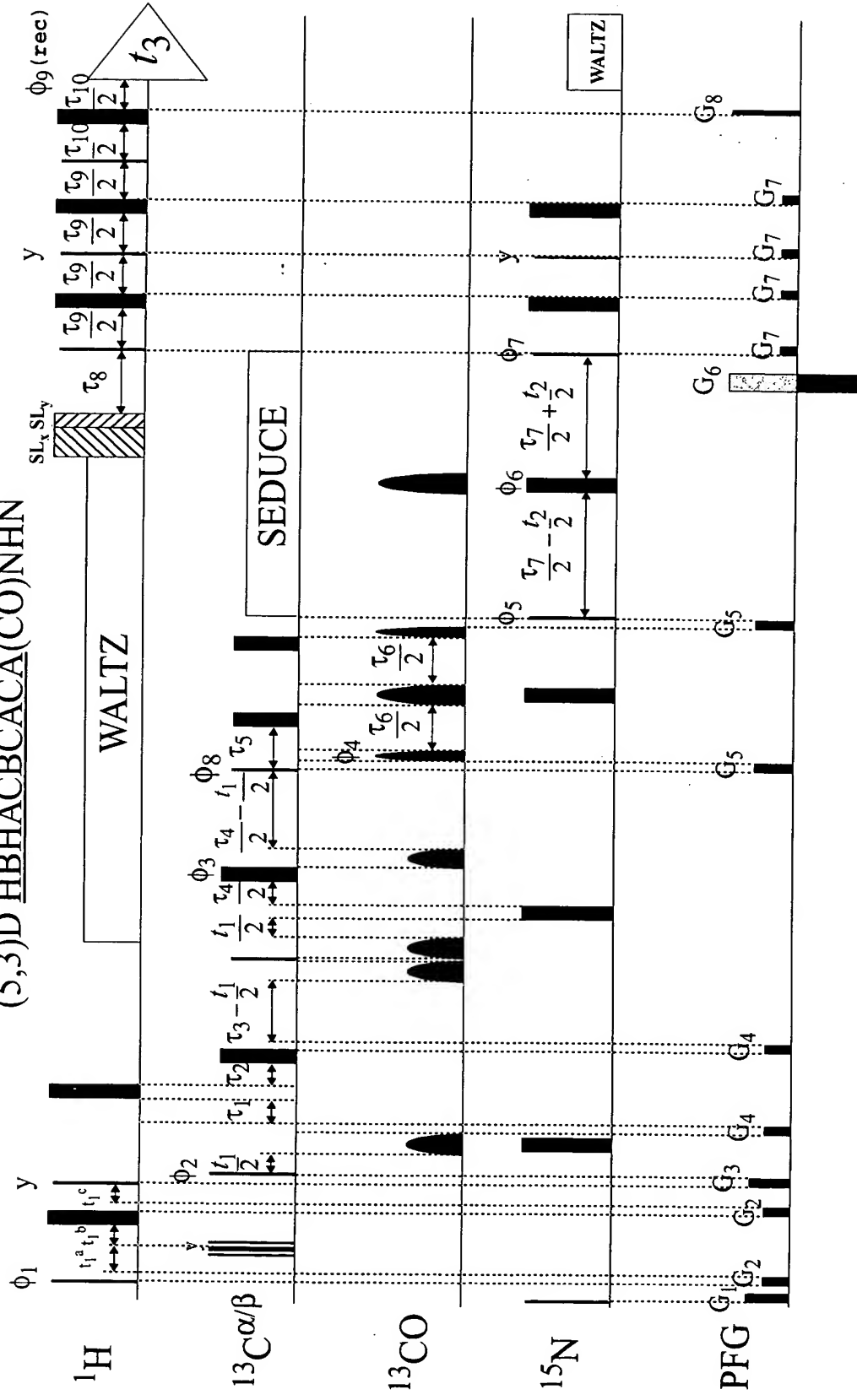


Figure 12

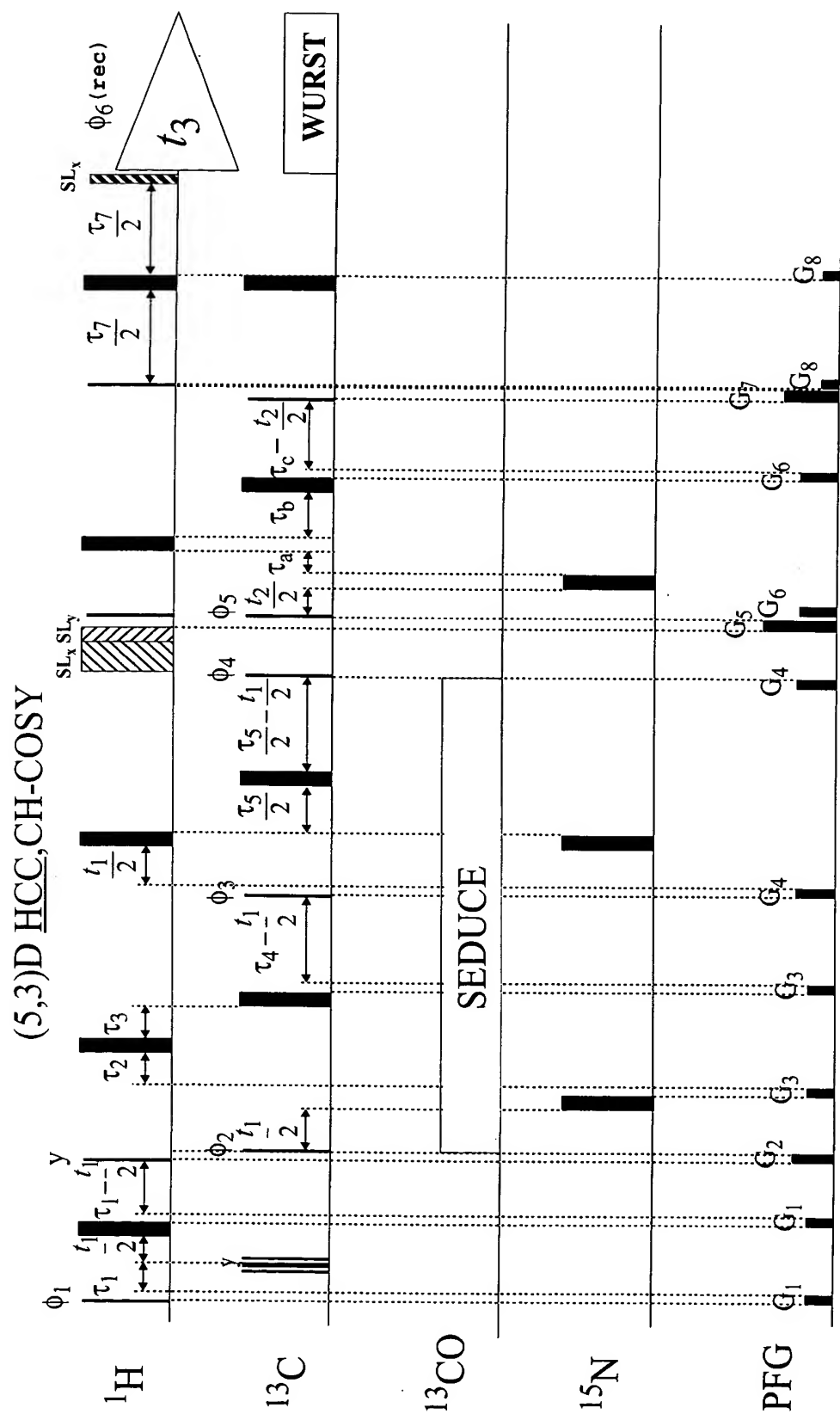


Figure 13

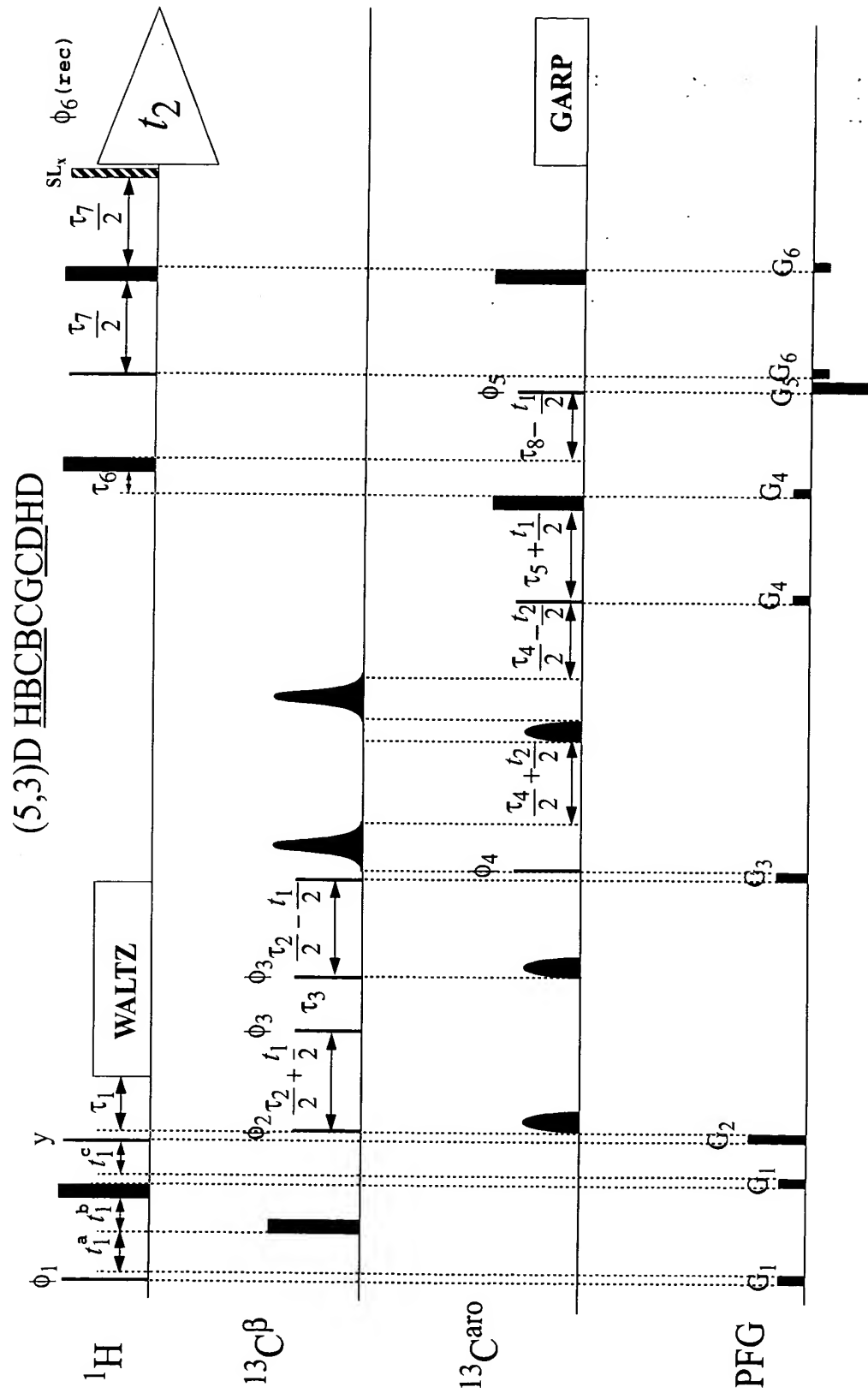
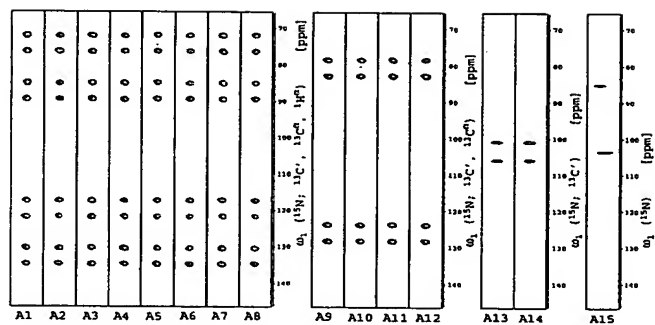
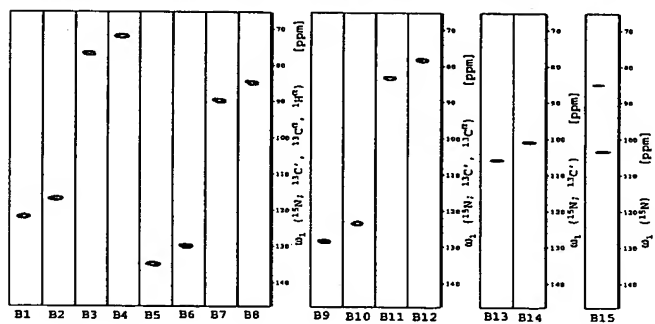


Figure 14

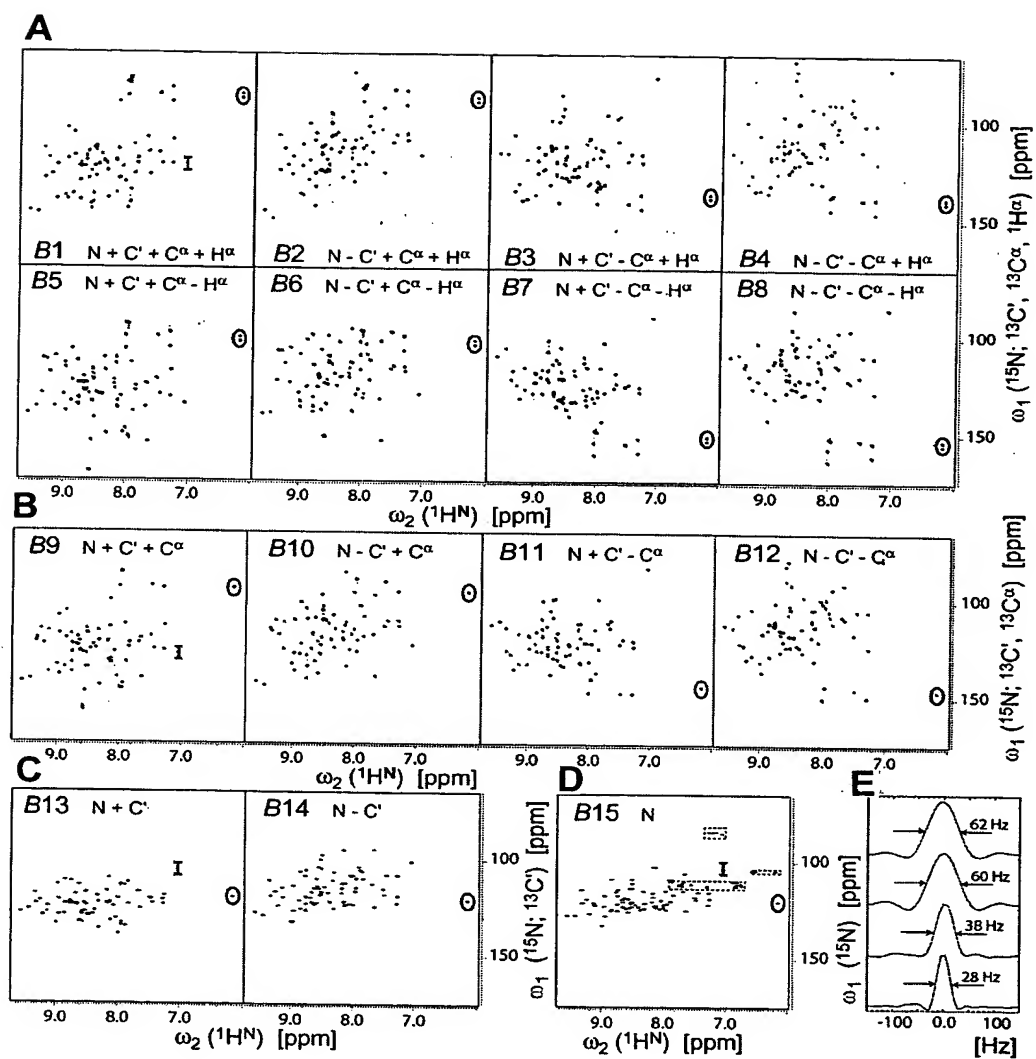
A



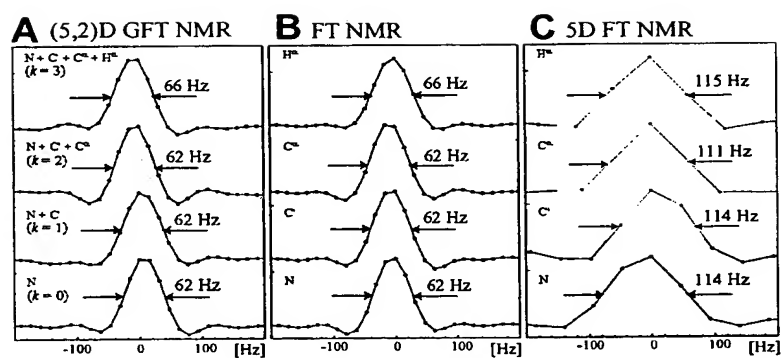
B



Figures 16 A-B



Figures 17 A-E



Figures 18 A-C

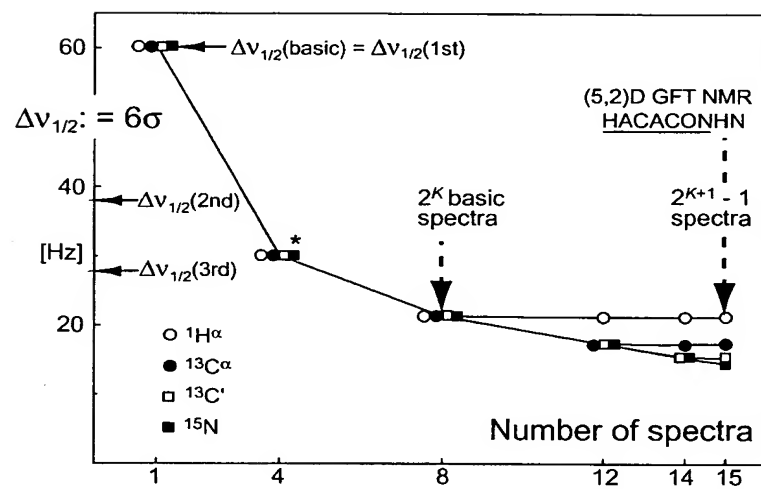
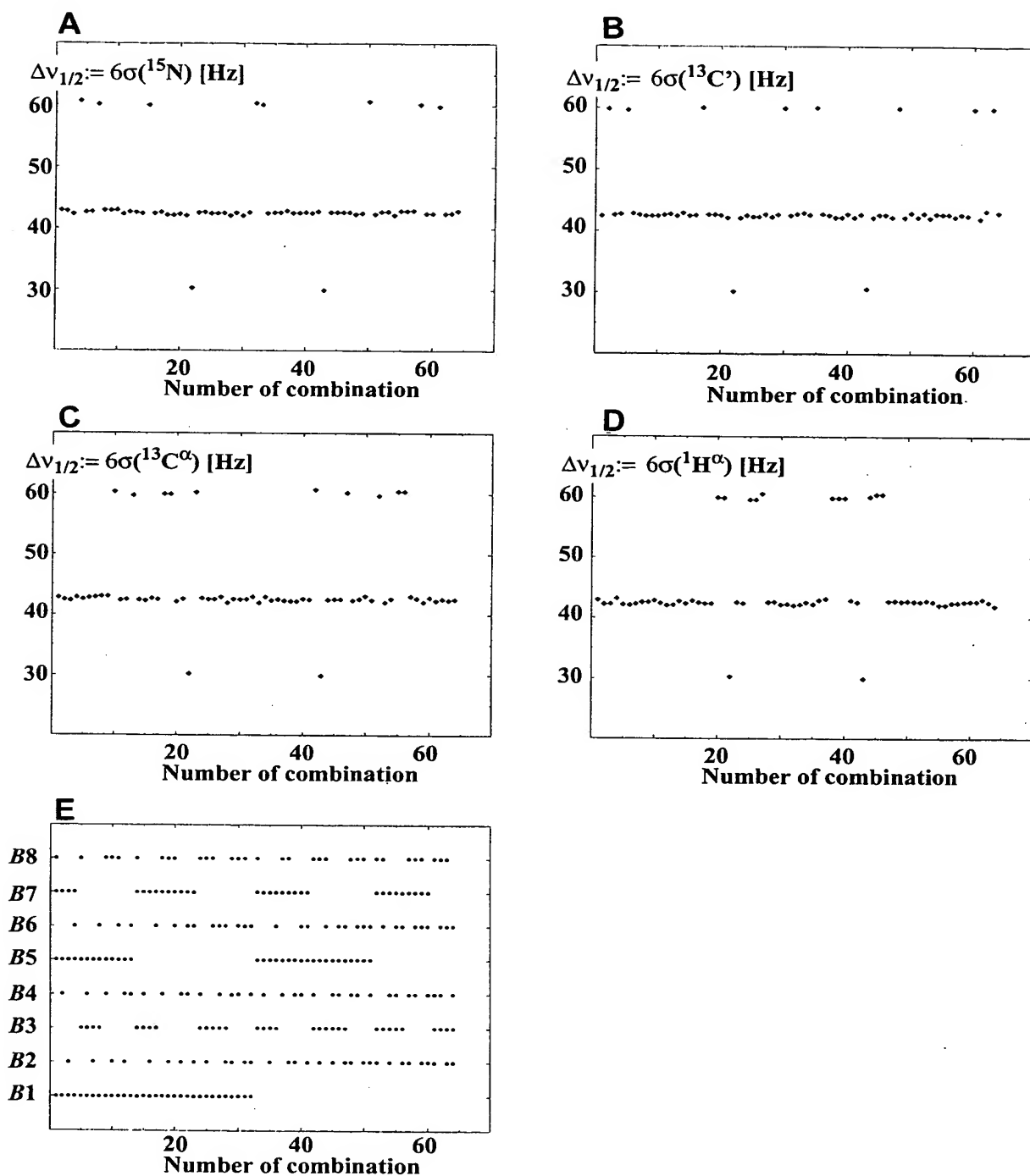
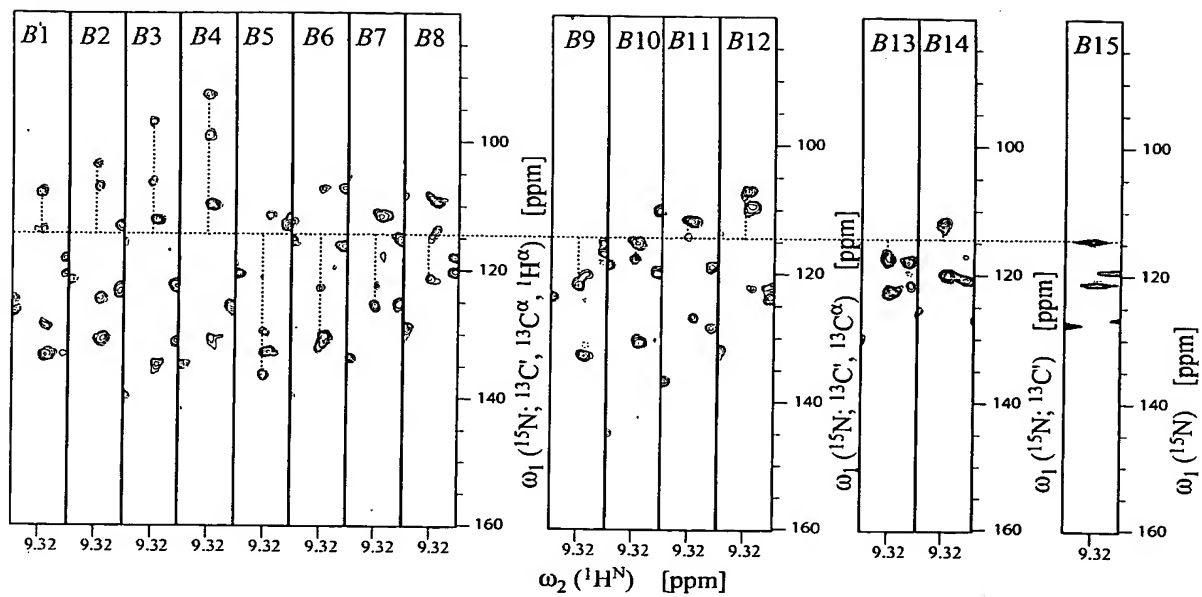


Figure 19

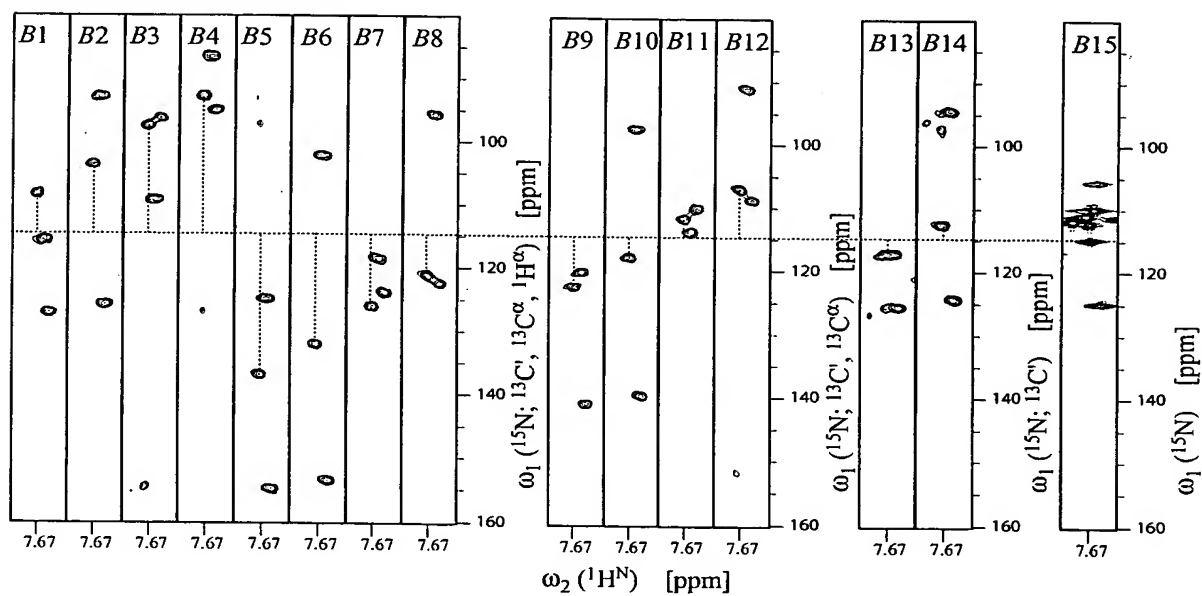


Figures 20 A-E

A (5,2)D HACA,CONHN



B (5,2)D HACACONHN



Figures 21 A-B

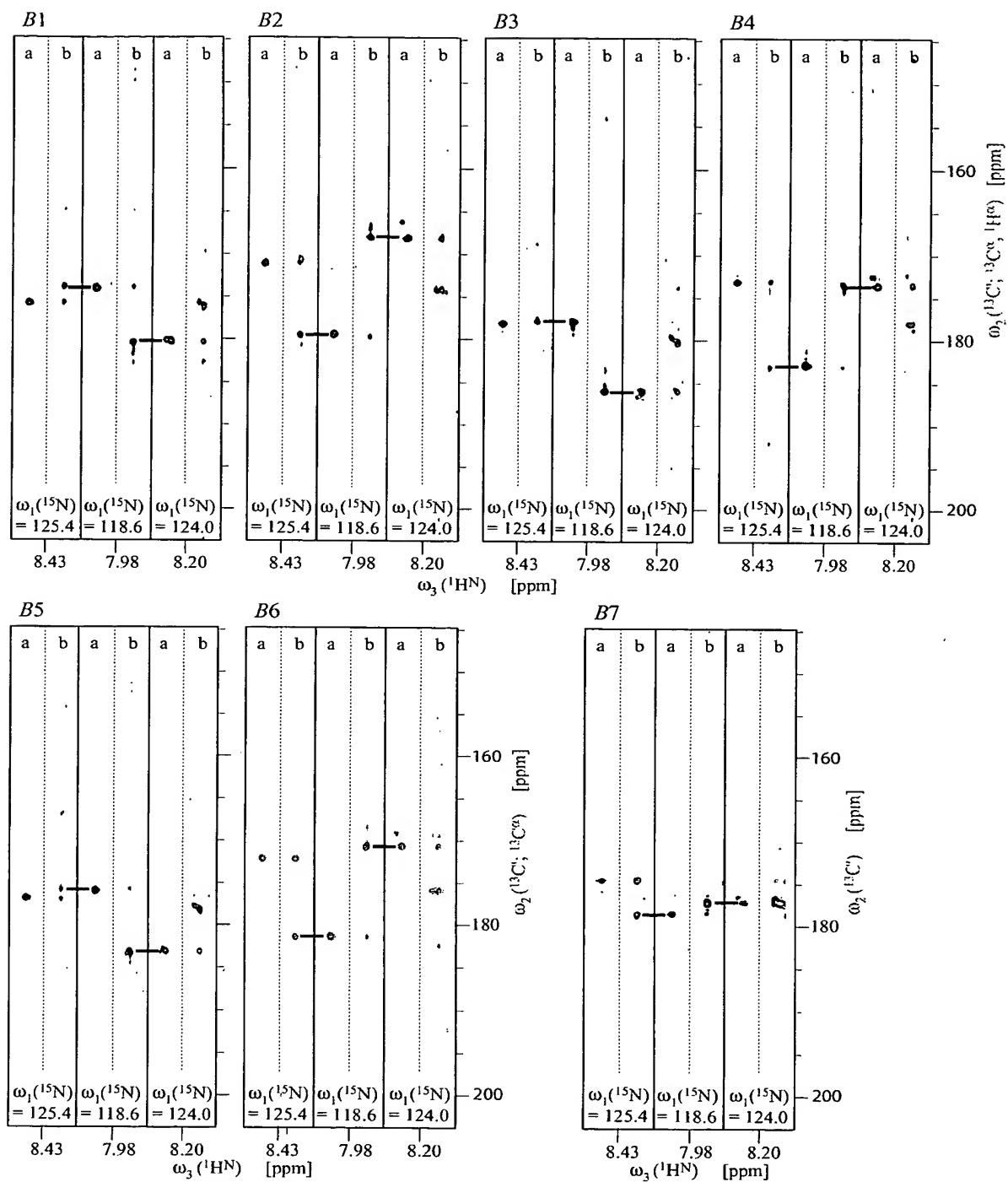


Figure 22

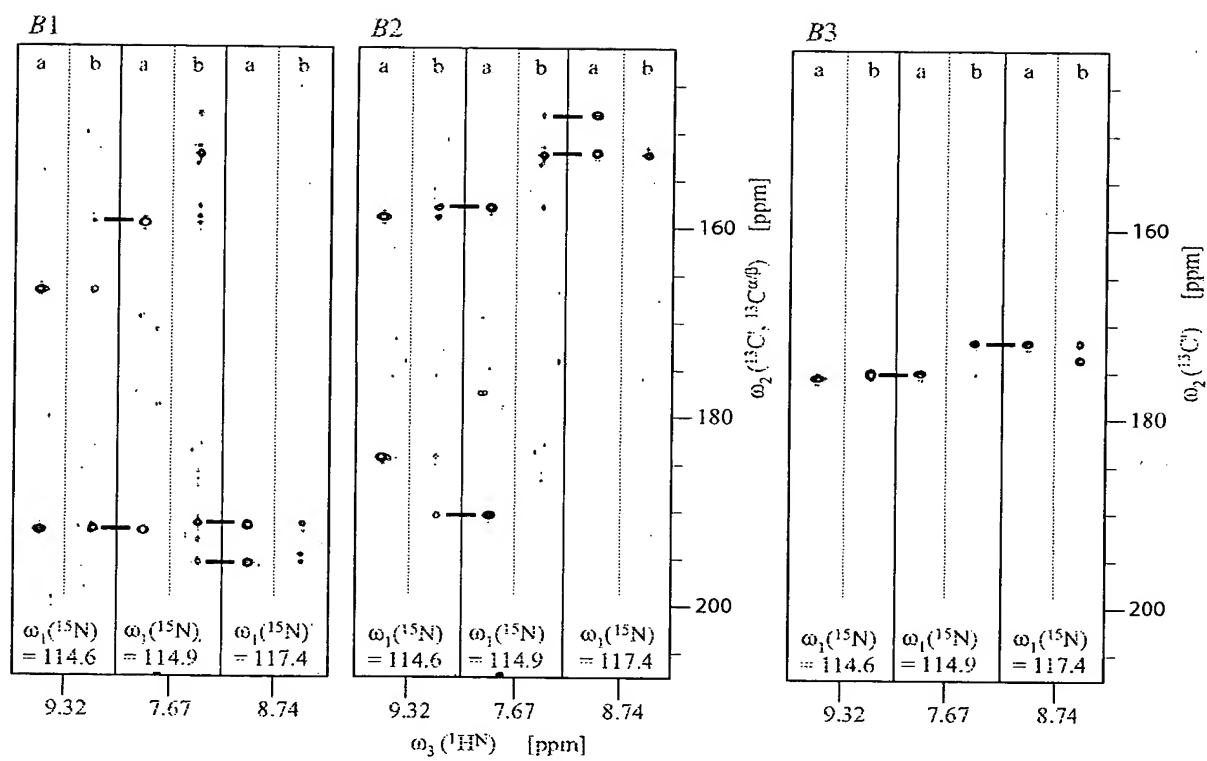


Figure 23

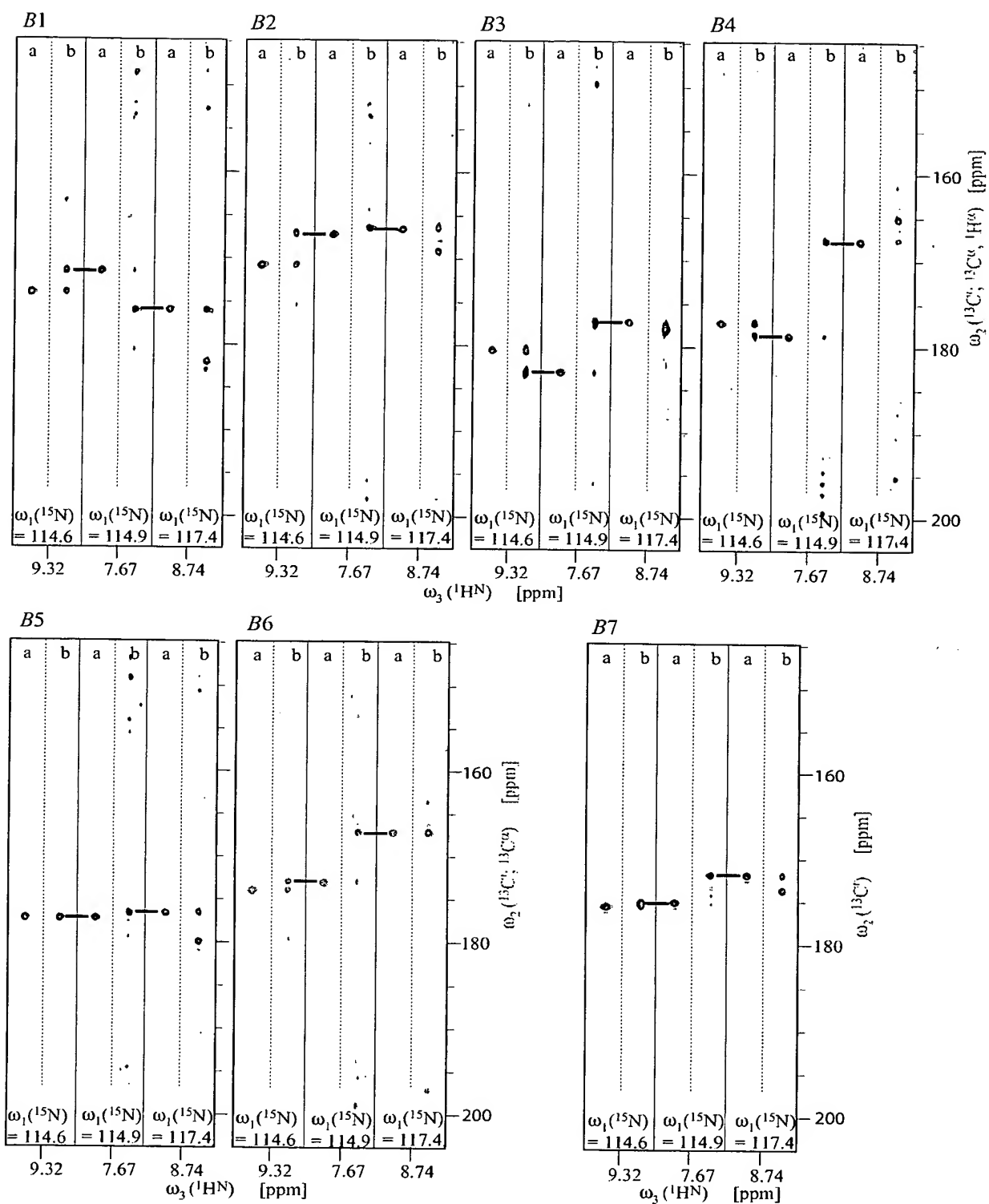


Figure 24

(a) $(4,3)D$ HNNCACBCA and (b) $(4,3)D$ HNN(CO)CACBCA
(ER75; Glu 73)

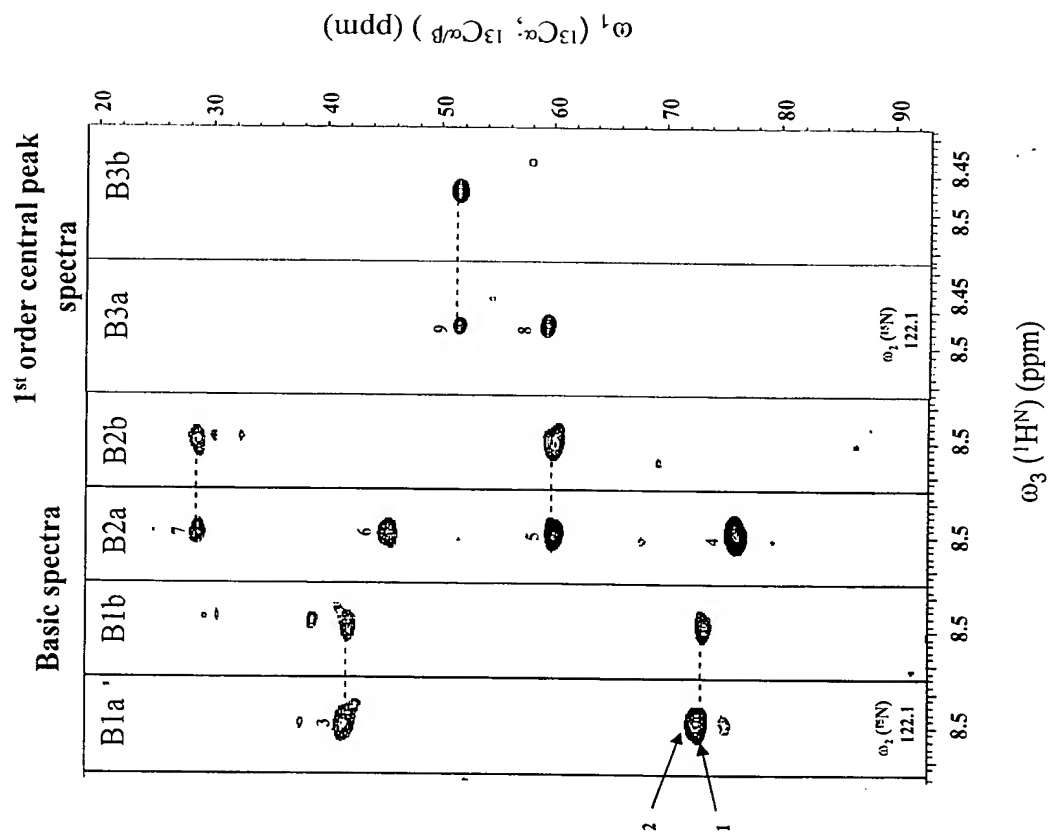


Figure 25

(a) (4,3)D CBCACA(CO)NHN and (b) (4,3)D HNNCBCA (GR2)

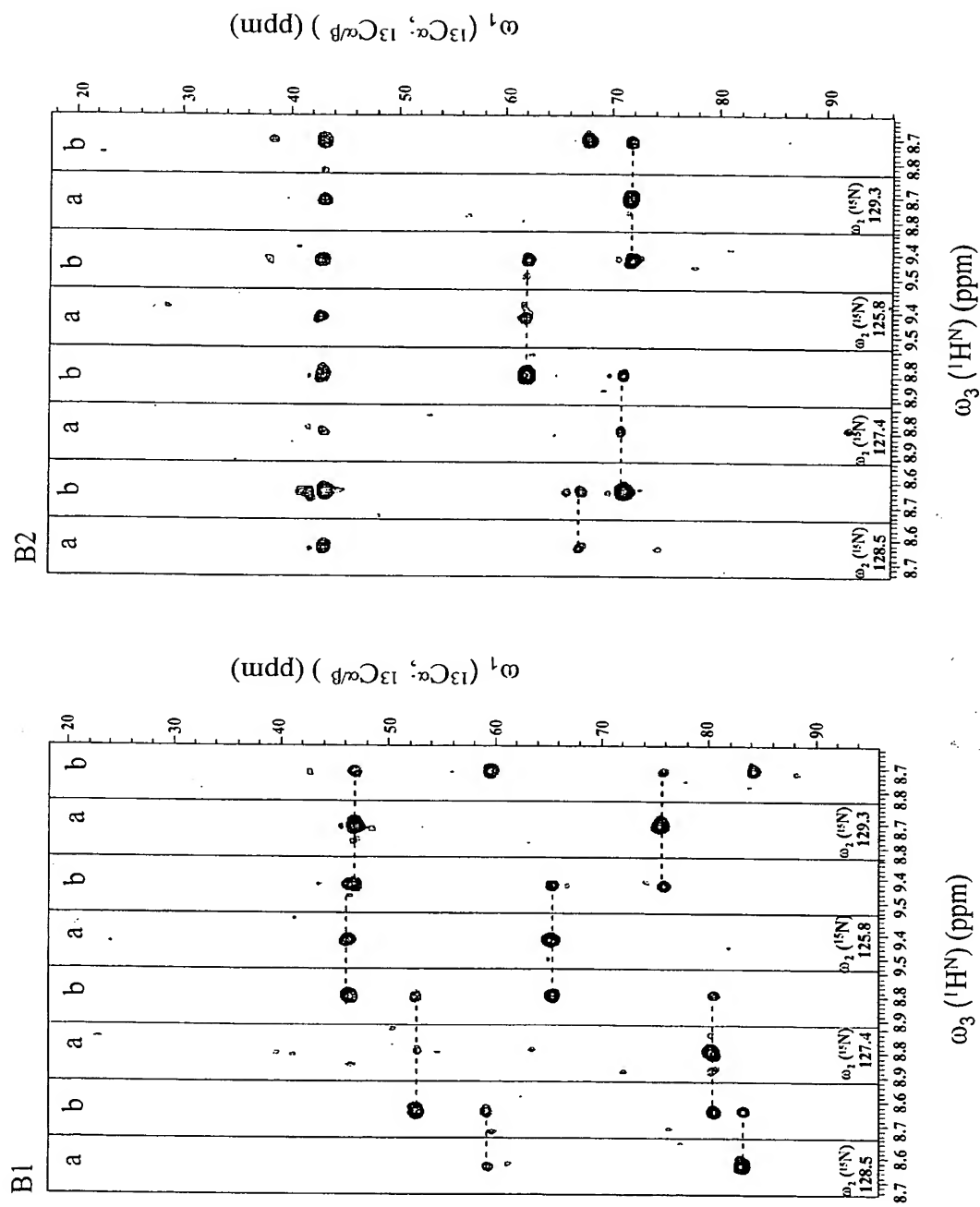


Figure 26

(a) (5,3)D HBHACBCACA(CO)NHN and (b) (4,3)D CBCACA(CO)NHN (GR2; Ile 30)

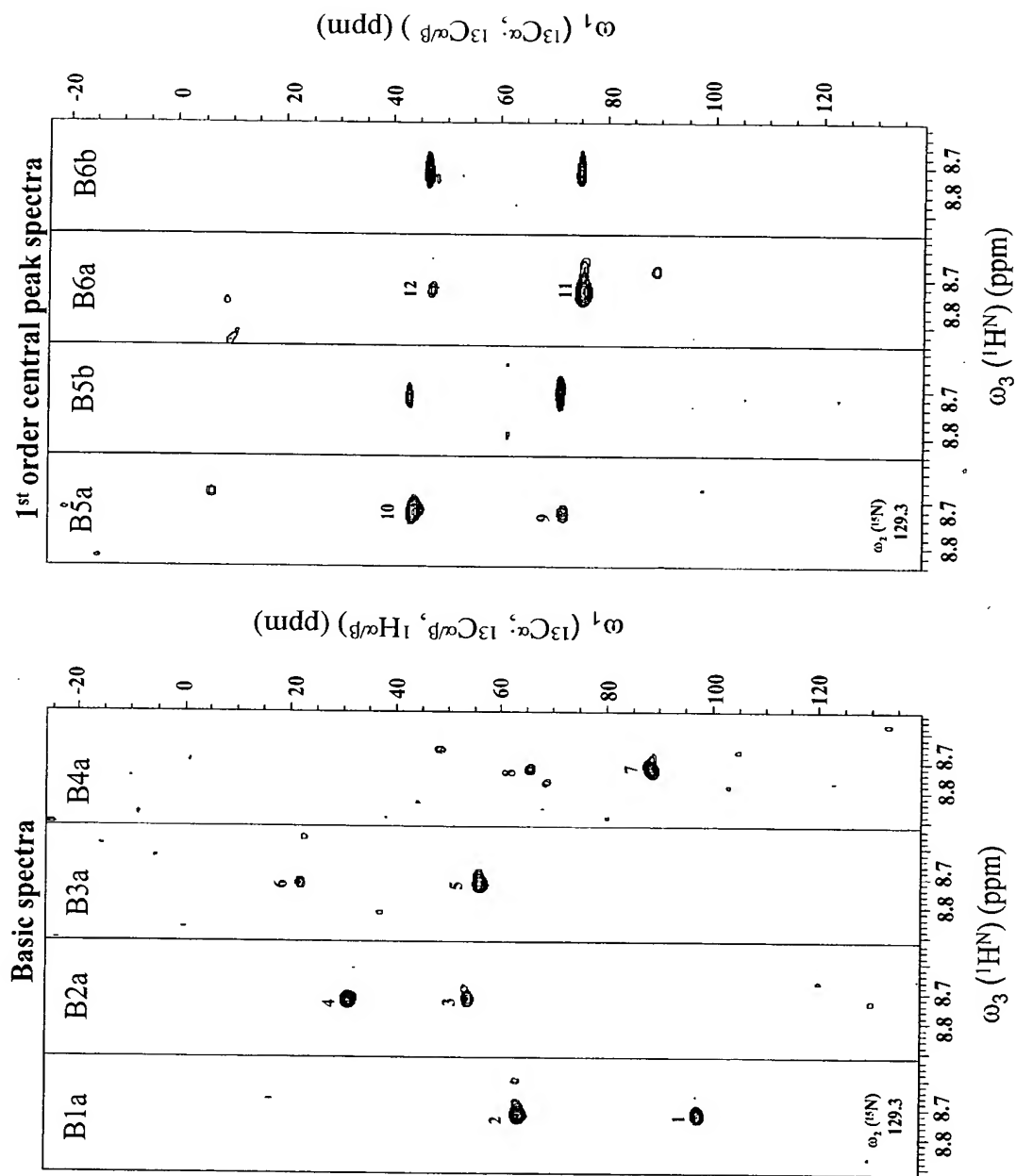


Figure 27

(5,3)D HCC, CH-COSY (GR2; Ile 30)

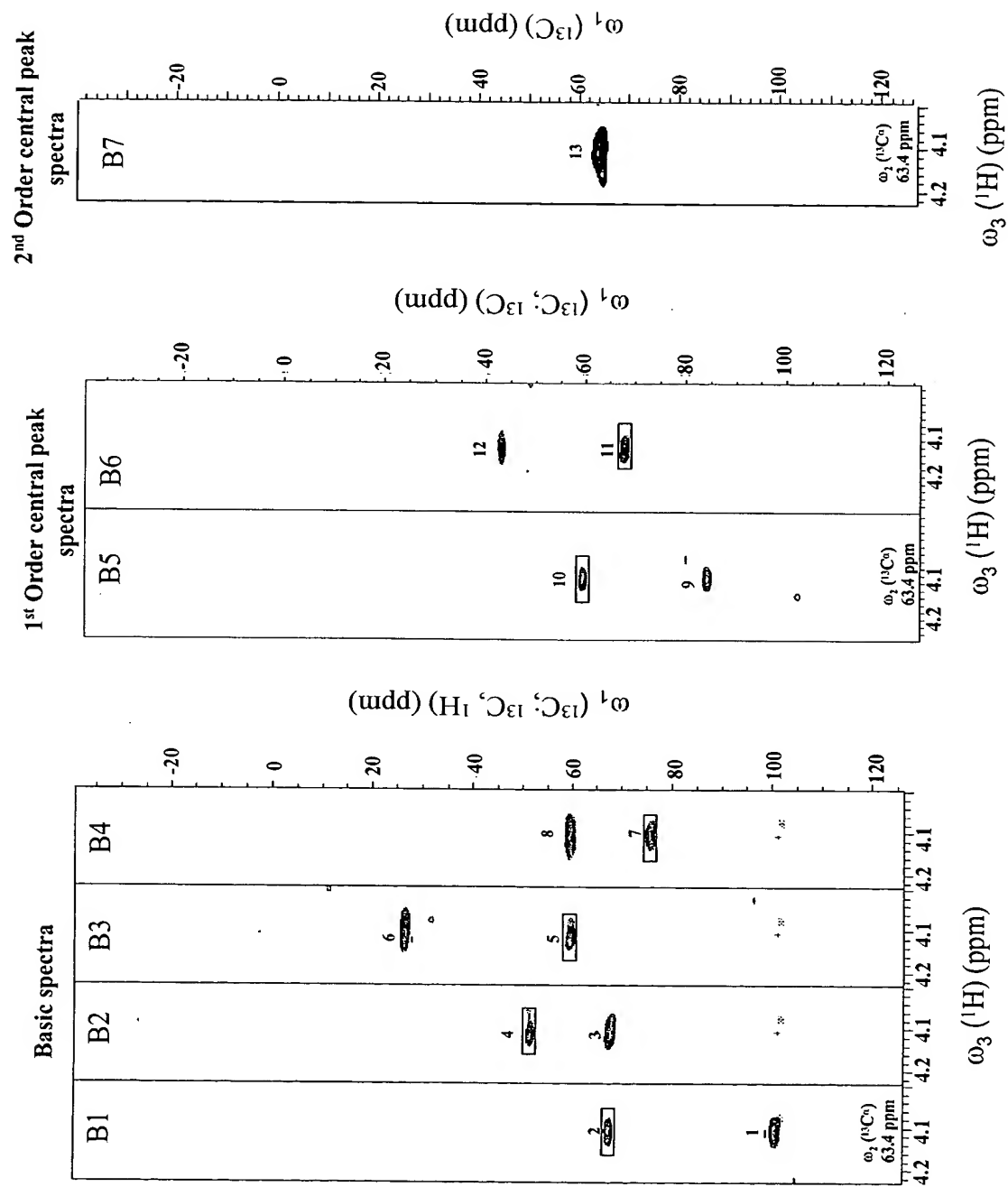


Figure 28

(5,3)D HBCBCGCDHD (Ubiquitin; His 68)

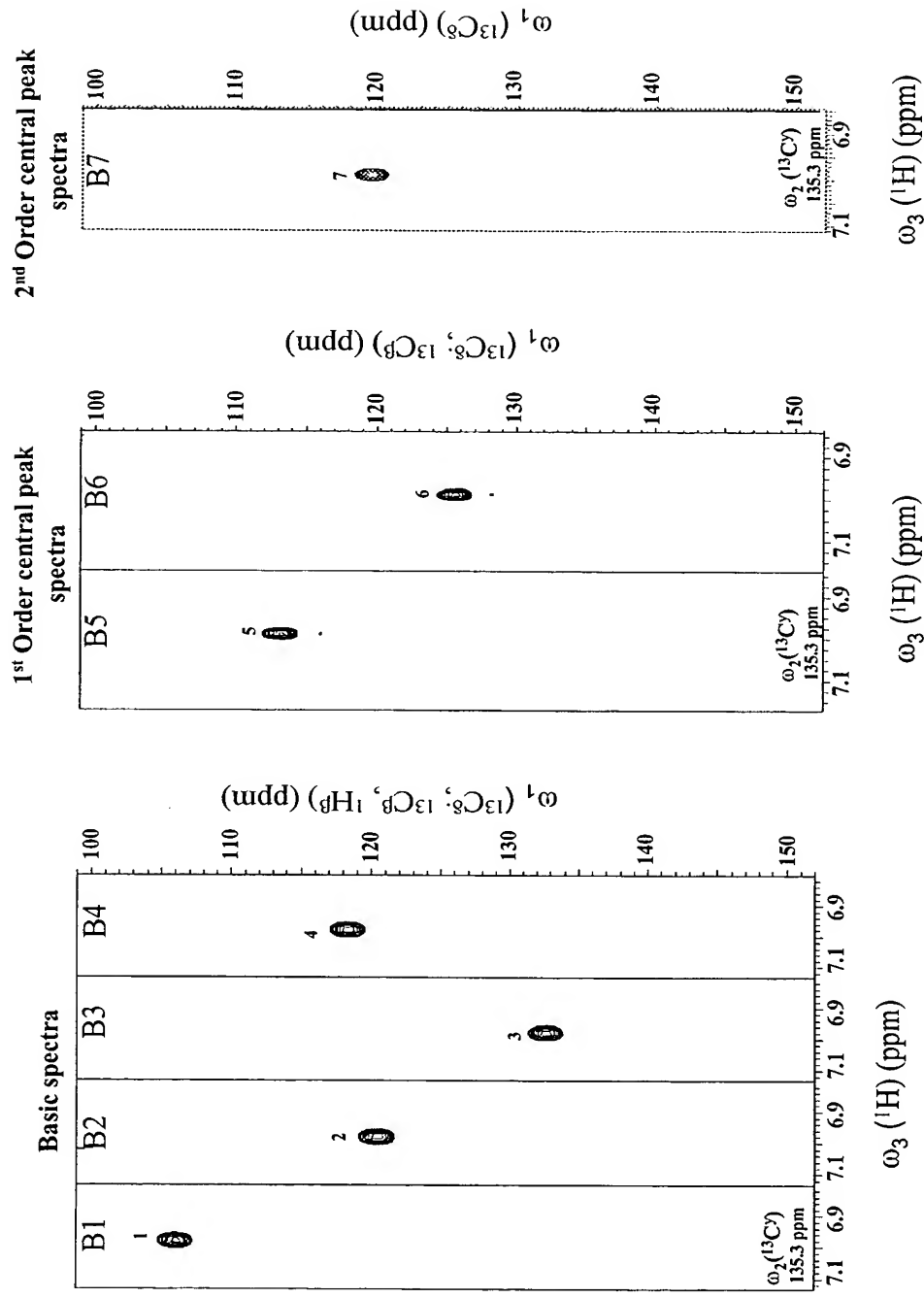


Figure 29

(4,2)D HCCH-COSY (Ubiquitin; Tyr 59)

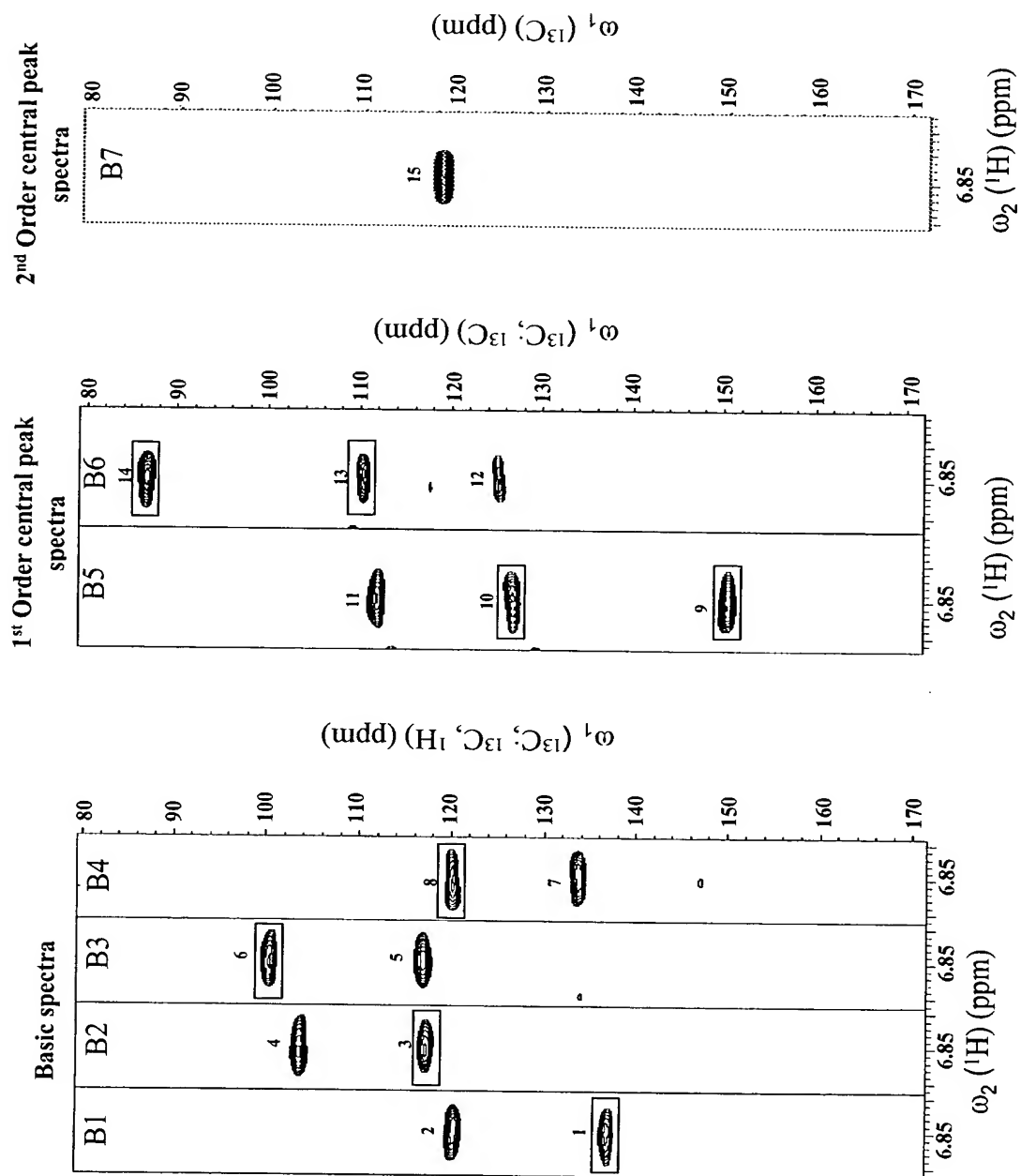


Figure 30